

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [54596-0810](#)  
**Status:** **Active**  
**Overview:** [Mini Mi II™](#)  
**Description:** MINI MI2 REC. ASSY (SN)

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification PS-54596-021 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Product Specification PS-54596-022 (PDF)</a>
<a href="#">Product Specification PS-54596-005 (PDF)</a>	<a href="#">Product Specification PS-54596-023 (PDF)</a>
<a href="#">Product Specification PS-54596-006 (PDF)</a>	<a href="#">Product Specification PS-54849-004 (PDF)</a>
<a href="#">Product Specification PS-54596-007 (PDF)</a>	<a href="#">Product Specification PS-55448-001 (PDF)</a>
<a href="#">Product Specification PS-54596-018 (PDF)</a>	<a href="#">Product Specification PS-55482-006 (PDF)</a>
<a href="#">Product Specification PS-54596-019 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-54596-020 (PDF)</a>	

**General**

Product Family	IDT and Solder Connectors
Series	<a href="#">54596</a>
Crimp Quality Equipment	Yes
MolexKits	Yes
Overview	<a href="#">Mini Mi II™</a>
Product Name	Mini Mi II™
UPC	800753280847

**Physical**

Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Natural
Gender	Female
Glow-Wire Compliant	No
Lock to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	239.600/mg
Number of Rows	1
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface	1.25mm
Plating min - Mating	0.914µm
Plating min - Termination	0.914µm
Stackable	No
Temperature Range - Operating	-40°C to +105°C
Wire Insulation Diameter	0.80-0.90mm
Wire Size AWG	26, 28

**Electrical**

Current - Maximum per Contact	1.5A
Voltage - Maximum	100V

**Material Info**

**Reference - Drawing Numbers**

Product Specification	PS-54596-005, PS-54596-006, PS-54596-007, PS-54596-018, PS-54596-019, PS-54596-020, PS-54596-021, PS-54596-022, PS-54596-023,
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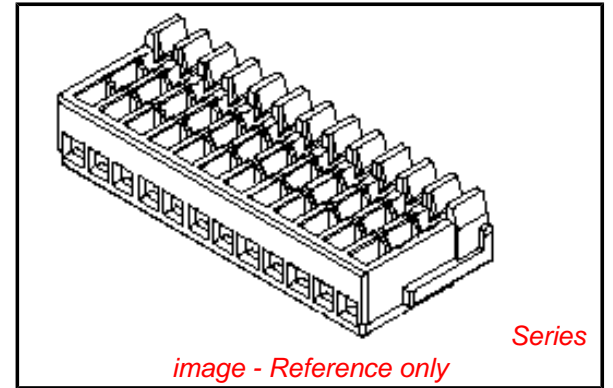


image - Reference only

**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**Low-Halogen Status**  
**Not Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[54596Series](#)

**Mates With**

[55451](#) , [55447](#) , [55454](#) , [55659](#) , [55456](#) , [55482](#) , [55450](#)

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

Description	Product #
IDT System Hand Crimper	<a href="#">0621009800</a>

**Japan**

Description	Product #
Fully-Automated IDT Machine (XELOM-PLUS)	<a href="#">0578008300</a>
Fully-Automated IDT Machine (XELOM-PLUS)	<a href="#">0578008400</a>

Sales Drawing

PS-54849-004, PS-55448-001, PS-55482-006,  
RPS-54596-012, RPS-54596-013, RPS-54596-014,  
RPS-54596-016, RPS-54596-017, RPS-54596-022,  
RPS-54596-023, RPS-54596-024, RPS-54596-025,  
RPS-54596-026, RPS-54596-027, RPS-54849-001,  
RPS-54966-005, RPS-55448-004  
SD-54596-004

IDT Bench-Top Terminator	<u>0578267000</u>
IDT Bench-Top Terminator	<u>0578277100</u>
Hand Crimper	<u>0578345000</u>

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